We claim:

5

25

30

A process for trapping particulate matter in a exiting a combustion equipment, said process stream comprising:

providing a combustion equipment with one or more exits for exhaust gases, each said one or more exits connected to one or more ducts; and

placing at least one particulate trap in at least one of said one or more ducts;

least one particulate trap 10 wherein said at removable and/or replaceable while said combustion equipment is :=== online.

- A process according to claim 1 wherein each said particulate trap is placed in an assembly comprising said particulate trap and a sliding-gate housing and each said assembly is positioned within each said one or more ducts such that opening the sliding-gate housing allows particulate trap removal and/or replacement.
- A process according to claim 2 wherein said 3. assembly is upstream of an environmental catalyst bed.

A process for trapping particulate matter in a combustion equipment, said process stream exiting a gas comprising:

providing a combustion equipment with one or more exits for exhaust gases, each said one or more exits connected to one or more ducts; and

placing at least one particulate trap in at least one of said one or more ducts;

wherein said at least one particulate trap is cleanable while said combustion equipment is online.

- A process according to claim 4 wherein said particulate trap is upstream of an environmental catalyst bed.
- 6 A particulate trap for removing particles from a gas stream, said particulate trap comprising:

- a plurality of filtering layers, each layer having a mesh size; and
- a housing to contain said layers in a predetermined shape.
- 7. A particulate trap according to claim 6 wherein at least two layers of said plurality of layers have different mesh sizes.
 - 8. A particulate trap according to claim 6 further comprising two filtering layers having a media to catch larger particles and one filtering layer having a media to catch smaller particles sandwiched between said two larger particle media layers.
 - 9. A particulate trap according to claim 8 wherein each said filtering layer is a sintered weave material.
 - 10. A particulate trap according to claim 9 wherein each said filtering layer is a pleated filtering layer.

10

15<u>1</u>